

DECLARATION OF JOHN G. PELDONIA

I, John G. Peldonia, am a citizen of The United States of America, residing in Princeton, Illinois, hereby say and declare as follows:

1. I am currently serving as the Blending Technician Bio-Based Urethane Systems for Urethane Soy Systems Company, Inc. My *curriculum vitae* is attached hereto as Exhibit 1.


2. I have read United States Patent No. 2,833,730 (hereinafter "the '730 patent").

3. I conducted experiments to replicate Example 4 of the '730 patent. In doing so, I began with blown soy oil at 74°F (Exhibit 2), also utilized glycerin (Exhibit 3), and 2,4-tolylene diisocyanate (Exhibit 4). I mixed 113 parts of the soy oil, 3 parts glycerin and 44 parts of the 2,4-tolylene diisocyanate. This corresponds to a ratio of hydroxyl groups to isocyanate groups of 0.76:2. The ratio of glycerin hydroxyl groups to soy oil hydroxyl groups is approximately 0.9:1. The soy oil glycerin and 2,4-tolylene diisocyanate were mixed together in a 250 mL glass beaker. The exothermic reaction began after sixty seconds of high-speed, lab-apparatus mixing. (See Exhibits 5-8) As per the instructions in Example 1 regarding the formation of the intermediate polyurethane product, I next allowed the reaction mass to drop to room temperature. The reaction mass dropped about 10°F per 3 hours of natural cooling such that after 7.5 hours had elapsed the intermediate polyurethane product was at ambient room temperature, 75°F. At that

time, as evidenced by Exhibits 9-15, the reaction mass became solid such that it was impossible to continue to the next step prescribed by Example 4 of the '730 patent, mixing of water and diethanol amine catalyst into the reaction mass.

4. I further declare that all statements made herein of my own knowledge are true that that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of this application and any registration resulting therefrom.

8-18-2023
Date



John C. Peldonia

John Glenn Peldonia

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 Princeton, IL 61356
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 Princeton, IL 61356
 (815) 878-6885

Objective:

Office Manager, Bio-based Urethane Systems Blending-Technician, Shipping and Receiving Manager
 Bio-Based Urethane Systems Research and Development

Academic Preparation:

Associates of Science, Illinois Valley Community College, Oglesby, IL January 2002
 Major: Urethane Chemistry (Concentration towards bio-based polyols)
 Minor: Fine Arts (Painting and Life Drawing)

Honorably Discharged ~ Rank: Specialist (E4) Illinois Army National Guard (Air Defense Artillery)
 Military Occupational Skill: 16S Stinger Shoulder-Fired Anti-Aircraft Missile System April 1992-
 April 1998

Research Skills:

- Trained in Dynamic Material Thermal Analysis equipment (DMTA)
- Survey, evaluation, scientific methods and documentation of numerous experimental bio-based polyols, to determine polyurethane material strengths and weakness.
- Conducted experiments and research of advanced applications of current bio-based urethane systems.
- Trained in spectrometer and spectrographic computer equipment.
- Trained in FOMAT polyurethane equipment

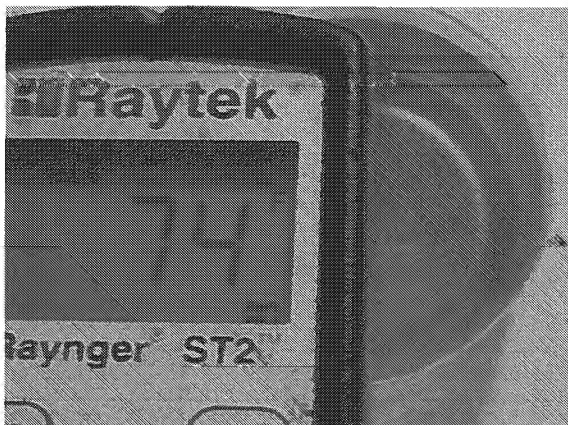
Experience:

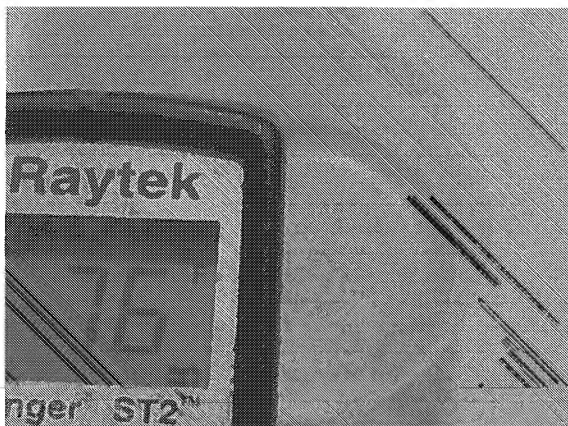
Trained under Dr. Robert Turner, Head of Research and Development at Urethane Soy Systems Co.,
 World-renowned polymer physicist and inventor of several patented urethane technologies.
Nov.2001-Nov.2002.

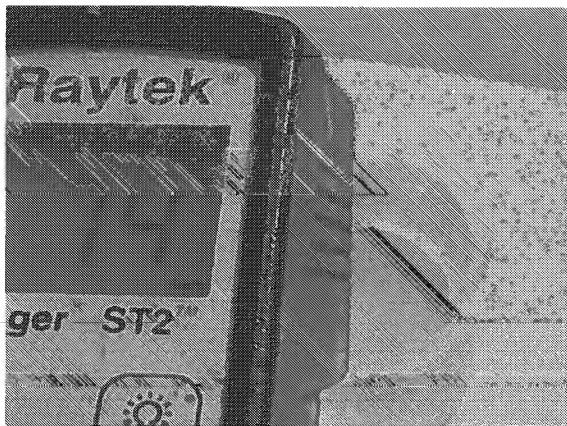
Assistant Food and Beverage Manager, Eco Espresso Café, Princeton, IL July 1999-June 2003
 Trained and Certified in Food Safety and Sanitation Bureau County Health Dept. Nov.2000

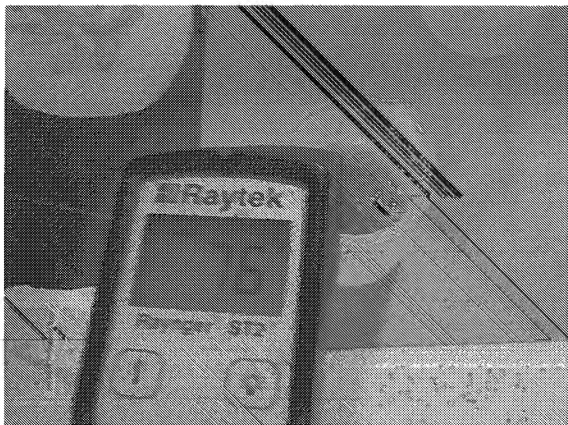
Assistant Beverage Manager, Bureau Valley Country Club, Princeton, IL Oct.1995-Nov.2001
 Experience in restaurant management and operations.

Team Chief-Leader for the Stinger Shoulder-Fired Anti-Aircraft Missile System, Illinois Army
National Guard, April 1996 - April 1998.

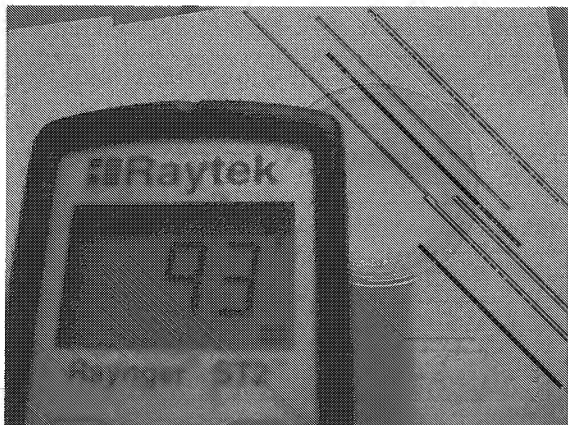


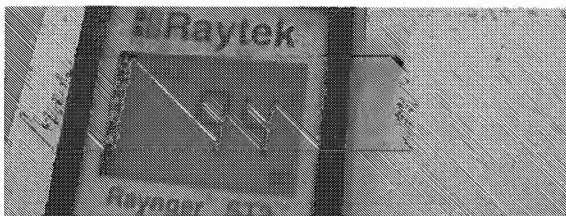


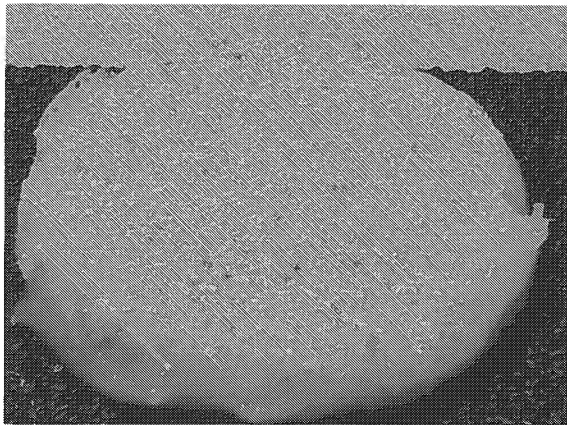


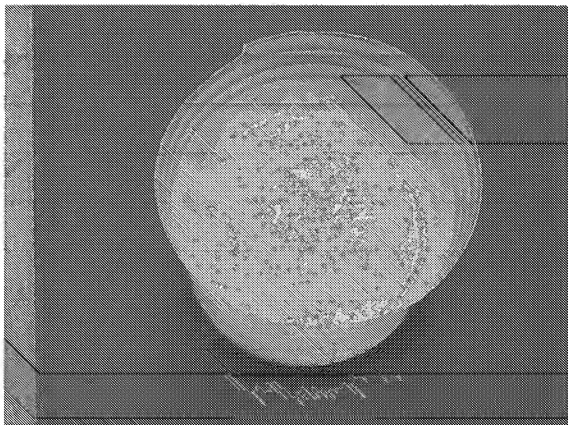


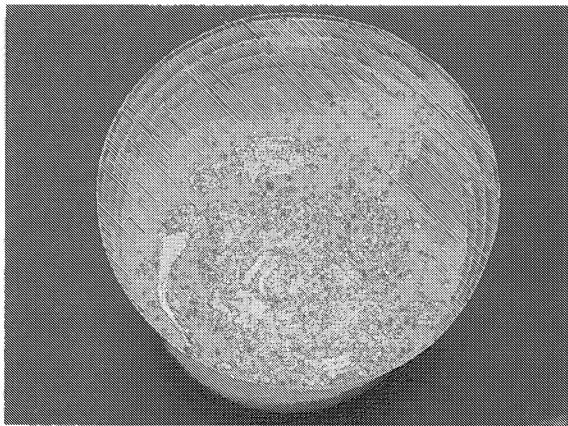


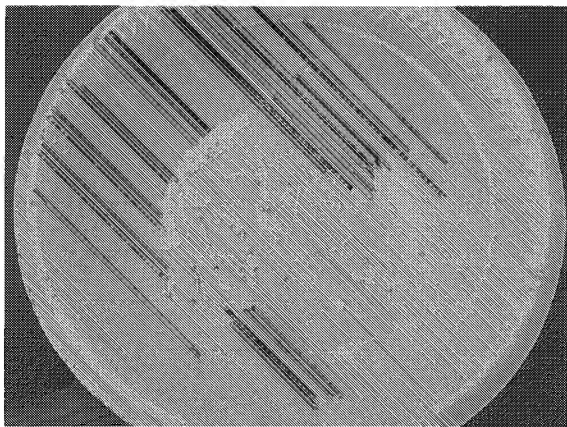












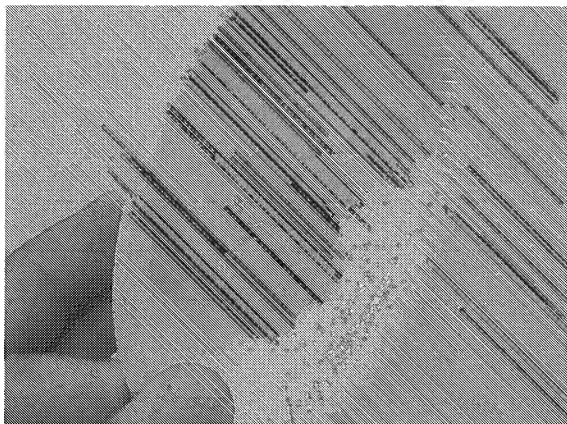


Exhibit 14

